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OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/732,914

DATE: 12/21/2000
TIME: 09:47:37

Input Set : A:\seqlist-09425010002.txt
Output Set: N:\CRF3\12212000\I732914.raw

P.S

ENTERED

```

5 <110> APPLICANT: Cheo, David
7   Brasch, Michael A.
9   Temple, Gary F.
11  Hartley, James L.
13  Byrd, Devon R.N.
17 <120> TITLE OF INVENTION: Use of Multiple Recombination Sites with Unique Specificity in
18   Recombinational Cloning
22 <130> FILE REFERENCE: 0942.5010002
C--> 26 <140> CURRENT APPLICATION NUMBER: US/09/732,914
28 <141> CURRENT FILING DATE: 2000-12-11
32 <150> PRIOR APPLICATION NUMBER: US 60/169,983
34 <151> PRIOR FILING DATE: 1999-12-10
38 <150> PRIOR APPLICATION NUMBER: US 60/188,020
40 <151> PRIOR FILING DATE: 2000-03-09
44 <160> NUMBER OF SEQ ID NOS: 140
48 <170> SOFTWARE: PatentIn version 3.0
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56 <212> TYPE: DNA
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70 <212> TYPE: DNA
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84 <212> TYPE: DNA
86 <213> ORGANISM: attL0
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94 <210> SEQ ID NO: 4
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98 <212> TYPE: DNA
100 <213> ORGANISM: attR0
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114 <213> ORGANISM: attB1
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138 <211> LENGTH: 27
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142 <213> ORGANISM: attL1
146 <400> SEQUENCE: 7
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150 <210> SEQ ID NO: 8
152 <211> LENGTH: 25
154 <212> TYPE: DNA
156 <213> ORGANISM: attR1
160 <400> SEQUENCE: 8
161 gttcagcttt ttgtacaaa ctgtg                    25
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168 <212> TYPE: DNA
170 <213> ORGANISM: attB2
174 <400> SEQUENCE: 9
175 acccagcttt ctgtacaaa gtggt                    25
178 <210> SEQ ID NO: 10
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182 <212> TYPE: DNA
184 <213> ORGANISM: attP2
188 <400> SEQUENCE: 10
189 gttcagcttt ctgtacaaa gttggca                27
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196 <212> TYPE: DNA
198 <213> ORGANISM: attL2
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203 acccagcttt ctgtacaaa gttggca                27
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208 <211> LENGTH: 25
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212 <213> ORGANISM: attR2
216 <400> SEQUENCE: 12
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222 <211> LENGTH: 22
224 <212> TYPE: DNA
226 <213> ORGANISM: attB5
230 <400> SEQUENCE: 13
231 caactttatt atacaaagt gt                      22
234 <210> SEQ ID NO: 14
236 <211> LENGTH: 27

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240 <213> ORGANISM: attP5
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254 <213> ORGANISM: attL5
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266 <212> TYPE: DNA
268 <213> ORGANISM: attR5
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273 gttcaacttt attatacaga gttgt 25
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290 <210> SEQ ID NO: 18
292 <211> LENGTH: 27
294 <212> TYPE: DNA
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301 gttcaacttt tctatacaga gttggca 27
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306 <211> LENGTH: 24
308 <212> TYPE: DNA
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314 <400> SEQUENCE: 19
315 caacttttct atacaaagtt ggca 24
318 <210> SEQ ID NO: 20
320 <211> LENGTH: 25
322 <212> TYPE: DNA
324 <213> ORGANISM: attR11
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346 <210> SEQ ID NO: 22
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350 <212> TYPE: DNA

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352 <213> ORGANISM: attP17
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366 <213> ORGANISM: attL17
370 <400> SEQUENCE: 23
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384 <400> SEQUENCE: 24
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390 <211> LENGTH: 22
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394 <213> ORGANISM: attB19
398 <400> SEQUENCE: 25
399 caactttttc gtacaaagtt gt                22
402 <210> SEQ ID NO: 26
404 <211> LENGTH: 27
406 <212> TYPE: DNA
408 <213> ORGANISM: attP19
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420 <212> TYPE: DNA
422 <213> ORGANISM: attL19
426 <400> SEQUENCE: 27
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432 <211> LENGTH: 25
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436 <213> ORGANISM: attR19
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450 <213> ORGANISM: attB20
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468 <400> SEQUENCE: 30
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472 <210> SEQ ID NO: 31
474 <211> LENGTH: 24
476 <212> TYPE: DNA
478 <213> ORGANISM: attL20
482 <400> SEQUENCE: 31
483 caactttttg gtacaaagtt ggca                24
486 <210> SEQ ID NO: 32
488 <211> LENGTH: 25
490 <212> TYPE: DNA
492 <213> ORGANISM: attK20
496 <400> SEQUENCE: 32
497 gttcaacttt ttggtacaaa gttgt                25
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502 <211> LENGTH: 22
504 <212> TYPE: DNA
506 <213> ORGANISM: attB21
510 <400> SEQUENCE: 33
511 caacttttta atacaaagtt gt                22
514 <210> SEQ ID NO: 34
516 <211> LENGTH: 27
518 <212> TYPE: DNA
520 <213> ORGANISM: attP21
524 <400> SEQUENCE: 34
525 gttcaacttt ttaatacaaa gttggca                27
528 <210> SEQ ID NO: 35
530 <211> LENGTH: 24
532 <212> TYPE: DNA
534 <213> ORGANISM: attL21
538 <400> SEQUENCE: 35
539 caacttttta atacaaagtt ggca                24
542 <210> SEQ ID NO: 36
544 <211> LENGTH: 25
546 <212> TYPE: DNA
548 <213> ORGANISM: attR21
552 <400> SEQUENCE: 36
553 gttcaacttt ttaatacaaa gttgt                25
556 <210> SEQ ID NO: 37
558 <211> LENGTH: 15
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562 <213> ORGANISM: 15 bp Core Region
566 <400> SEQUENCE: 37
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570 <210> SEQ ID NO: 38
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574 <212> TYPE: DNA
576 <213> ORGANISM: Reference Sequence
580 <400> SEQUENCE: 38

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FYI

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY DATE: 12/21/2000
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Input Set : A:\seqlist-09425010002.txt
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L:26 M:270 C: Current Application Number differs, Replaced Current Application Number
L:665 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:749 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40
L:1575 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94
L:1793 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106
L:1857 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107
L:1921 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:108
L:1985 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:109
L:2019 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:110
L:2071 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113
L:2105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114
L:2157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:117
L:2485 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:139
L:2509 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:140